

**Notice of Allowability**

Application No.

10/091,919

Examiner

Kuen S. Lu

Applicant(s)

CHOY ET AL

Art Unit

2167

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to September 28, 2005.
2. ☒ The allowed claim(s) is/are 1-7, 9-26 and 28-43.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                   |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>12/6/2005</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                          |
|   | 9. <input type="checkbox"/> Other _____.  |

### **DETAILED ACTION**

1. This communication is responsive to the Patent Application filed on September 28, 2005.
2. After a search and a thorough examination of the present Application and in light of the prior arts and the telephone interview conducted on December 6, 2005, Claims 1-7, 9-26 and 28-43 are allowed.

### ***Examiner's Amendments***

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Authorization for this Examiner's amendment, listed below, was given in a telephone interview with Mr. Daniel Wooseob Shim (Registration #: 56,995), on December 6, 2005. A copy of the interview summary is attached.

4. The application has been amended as follows:

7. (Currently Amended) A method of representing a multimedia content management object in a database comprising a high level content model and a low level physical model of multimedia content data, said low level physical model providing a mapping to a data engine, said method comprising:
  - a. entering multimedia content data metadata and schema in the low level physical model, and

b. mapping the metadata and schema to the data engine, wherein the low level physical model supports a plurality of high level content models-, and wherein the high level content models each corresponds to a different application.

26. (Currently Amended) A program product comprising computer readable code on one or more media, said program code being capable of controlling and configuring a computer system having one or more computers to manage a multimedia content management system having a high level content model and a low level physical model of multimedia content data, said low level physical model providing a mapping to a data engine, by representing a multimedia content management object in a database by the method comprising:

- a. entering multimedia content data metadata and schema in the low level physical model, and
- b. mapping the metadata and schema to the data engine, wherein the low level physical model supports a plurality of high level content models-, and wherein the high level content models each corresponds to a different application.

38. (Currently Amended) A method of populating a multimedia content management system with content schema and metadata, said content management system comprising a multimedia content management object having multimedia object components and multimedia object attributes, and a relational database adapted for representing component and attribute data in one or more relational database tables,

each of said relational database tables having at least one row with a plurality of columns, said method comprising:

presenting a query to a user as to a content item;

based upon the end user's response, presenting a subsequent query as to the content item;

based upon the end user's further responses, determining the components and attributes of the content item;

associating each component of the content item with a row in a separate relational database table; and

associating attributes of the content item with corresponding columns of the relational database tables, wherein the content item is suitable for constructing a plurality of high level content management data models, each corresponding to a different application.

***Reason for Allowable***

5. The following is an examiner's statement of reasons for allowance:

In the Examiner's Office Action for non-Final Rejection, dated August 8, 2005, the 35 U.S.C. § 102 rejections was based on the reference of Parnell et al.:

"CLASSIFICATION BASED CONTENT MANAGEMENT SYSTEM", U.S. Patent 6,647,396, November 11, 2003 (hereafter "Parnell").

In the Remarks filed on September 28, 2005, the Applicant submitted that the cited reference's classification based content did not render the embodiment for different content management object operation models, where each model is associated with a

different operation and the Applicant further specifically submitted that the description of the classification based content does not disclose the claimed subject matter of "using the item defined by the relational database tables to construct a plurality of high level content management models, each corresponding to a different application".

After further review of prior art search results, Applicant's most currently amended claims, and consideration of the above remarks, the Examiner is convinced that the Applicants arguments are valid and the prior art made of record does not teach the above subject matter as disclosed in the previously presented claims 1, 14, 20 and 33 and currently amended claims 7, 26 and 38.

The dependent Claims 2-6, 9-13, 15-19, 21-25, 28-32, 34-37 and 39-43, depending claims 1, 7, 14, 20, 26, 33 and 38, respectively, also distinct from the prior art for the same reason.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Contact Information***

6. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Kuen S. Lu whose telephone number is (571) 272-4114. The examiner can normally be reached on Monday-Friday (8:30 am - 5:30 PM).

Art Unit: 2167

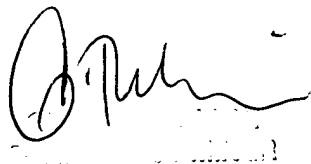
If attempts to reach the examiner by telephone pre unsuccessful, the examiner's Supervisor, Jean R. Homere, Esq. can be reached on (571) 272-3780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for Page 13 Published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 886-217-9197 (toll-free).

Kuen S. Lu

Patent Examiner

December 8, 2005

A handwritten signature in black ink, appearing to read 'K. Lu', with a stylized flourish at the end.